



RECEIVED

JUN 13 2007

DEPARTMENT OF ENVIRONMENTAL QUALITY
SILEX AQ PROGRAM

MECHANICAL

Heating
Ventilation
Air Conditioning
Plumbing
Radiant Heating
Refrigeration

- design, sales & installation
- preventative maintenance
- service & repair

ARCHITECTURAL METALS

Flashing
Metal Roofing
Metal Siding

- design, fabrication & installation

METAL FABRICATION

Structural
Stairs, Railings
Stainless Steel
Specialty Fabrication
Custom Product Manufacturing

- design, fabrication & installation

FOOD SERVICE

Commercial Kitchens
Institutional Kitchens
Restaurant Kitchens

- design, fabrication & installation

**FOOD PROCESSING
EQUIPMENT**

Food Manufacturing Equip.
Sorting & Sizing
Washing & Conveying
Packaging
Custom Equipment

- design, fabrication, sales & installation

BIOGAS DIGESTERS

- design, fabrication sales & installation

June 12, 2007

Department of Environmental Quality
Air Quality Division
Stationary Source Program
1410 North Hilton
Boise, ID 83706-1255

ATTN: Air Quality Division

RE: 15-Day Pre Permit Construction Approval Application

Dear DEQ,

A previous application that was submitted on 5/31/2007 was found to be deficient of the appropriate information per a telephone conversation with Bill Rogers. Please disregard the previous application (except for the application fee) and proceed with this application. Please use the application fee (check # 60957 for \$1,000.00) that was submitted on 5/31/2007. If you have any questions please do not hesitate to contact me at 360-366-9900 or kylej@andgar.com.

Sincerely,

Kyle Juergens
ANDGAR CORPORATION

6920 Salashan Pkwy, A-102
P.O. Box 2708
Ferndale, WA 98248
Office: 360.366.9900
Fax: 360.366.5800
corporate@andgar.com
<http://www.andgar.com>

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May 31, 2007

Department of Environmental Quality
Air Quality Division
Stationary Source Program
1410 North Hilton
Boise, ID 83706-1255

ATTN: Air Quality Division

RE: 15-Day Pre Permit Construction Approval Application

Dear DEQ,

We are proposing to construct an anaerobic digester on Big Sky Dairy West that will collect the biogas from the cow manure and transform it into renewable energy through the use of two reciprocating engines and generators. A letter from Kevin Schilling, Stationary Source Air Modeling Coordinator, is included in the application demonstrating that he has performed the screening level modeling and found that the proposed emissions will not cause or significantly contribute to a violation of any air quality standards. Please review the attached application for the pre-permit construction approval and let us know if you have any questions.

Based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Sincerely,

Kyle Juergens
ANDGAR CORPORATION

RECEIVED

JUN 13 2007

DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE OF IDAHO

NOTICE OF INFORMATIONAL MEETING

Andgar Corporation has applied to the Idaho Department of Environmental Quality for an air quality permit to construct and operate an anaerobic digester at the location of Section 33, Township 6 South, Range 14 East Boise Meridian, Gooding County, Idaho. An informational meeting concerning the application will be held at the Gooding County Planning and Zoning Meeting Room, 145 7th Avenue East, Gooding, Idaho, on the 18th day of June, 2007, at 7:00 p.m.

Dated this 1st day of June, 2007.

/s/ Robert E. Williams

Robert E. Williams

Attorney for Andgar Corporation



DEQ AIR QUALITY PROGRAM
 1410 N. Hilton, Boise, ID 83706
 For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
 04/03/07

Please see instructions on page 2 before filling out the form.

COMPANY NAME, FACILITY NAME, AND FACILITY ID NUMBER			
1. Company Name	Andgar Corporation		
2. Facility Name	Big Sky West	3. Facility ID No.	1
4. Brief Project Description - One sentence or less	Dairy Anaerobic Digester which captures biogas to produce electricity through gensets.		
PERMIT APPLICATION TYPE			
5. <input checked="" type="checkbox"/> New Facility <input type="checkbox"/> New Source at Existing Facility <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modify Existing Source: Permit No.: _____ Date Issued: _____ <input type="checkbox"/> Required by Enforcement Action: Case No.: _____			
6. <input checked="" type="checkbox"/> Minor PTC <input type="checkbox"/> Major PTC			
FORMS INCLUDED			
Included	N/A	Forms	DEQ Verify
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form GI – Facility Information	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form EU0 – Emissions Units General	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form EU1 - Industrial Engine Information Please Specify number of forms attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form EU2 - Nonmetallic Mineral Processing Plants Please Specify number of forms attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form EU3 - Spray Paint Booth Information Please Specify number of forms attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form EU4 - Cooling Tower Information Please Specify number of forms attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form EU5 – Boiler Information Please Specify number of forms attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form HMAP – Hot Mix Asphalt Plant Please Specify number of forms attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form CBP - Concrete Batch Plant Please Specify number of forms attached: _____	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form BCE - Baghouses Control Equipment	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Form SCE - Scrubbers Control Equipment	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Forms EI-CP1 - EI-CP4 - Emissions Inventory– criteria pollutants (Excel workbook, all 4 worksheets)	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	PP – Plot Plan	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Forms MI1 – MI4 – Modeling (Excel workbook, all 4 worksheets)	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Form FRA – Federal Regulation Applicability	<input type="checkbox"/>

DEQ USE ONLY	
Date Received	
<div style="text-align: center;"> RECEIVED APR 13 2007 IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY AIR QUALITY PROGRAM </div>	
Project Number	
Payment / Fees Included?	
Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Check Number	



DEQ AIR QUALITY PROGRAM
 1410 N. Hilton, Boise, ID 83706
 For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
 03/26/07

Please see instructions on page 2 before filling out the form.

All information is required. If information is missing, the application will not be processed.

IDENTIFICATION

1. Company Name	Andgar Corporation
2. Facility Name (if different than #1)	Big Sky West
3. Facility I.D. No.	1
4. Brief Project Description:	Dairy Anaerobic Digester which captures biogas to produce electricity through gensets.

FACILITY INFORMATION

5. Owned/operated by: (✓ if applicable)	<input type="checkbox"/> Federal government <input type="checkbox"/> County government <input type="checkbox"/> State government <input type="checkbox"/> City government
6. Primary Facility Permit Contact Person/Title	Kyle Juergens / Project Manager
7. Telephone Number and Email Address	360-366-9900 kylej@andgar.com
8. Alternate Facility Contact Person/Title	Bryan VanLoo / Manager
9. Telephone Number and Email Address	360-366-9900 bryanv@andgar.com
10. Address to which permit should be sent	PO Box 2708
11. City/State/Zip	Ferndale WA 98248
12. Equipment Location Address (if different than #10)	2395 South 1500 E.
13. City/State/Zip	Gooding, ID 83330
14. Is the Equipment Portable?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
15. SIC Code(s) and NAISC Code	Primary SIC: 1629 Secondary SIC (if any): NAICS: 237130
16. Brief Business Description and Principal Product	Anaerobically digest cow manure and capture methane to power engine and produce electricity.
17. Identify any adjacent or contiguous facility that this company owns and/or operates	

PERMIT APPLICATION TYPE

18. Specify Reason for Application	<input checked="" type="checkbox"/> New Facility <input type="checkbox"/> New Source at Existing Facility <input type="checkbox"/> Unpermitted Existing Source <input type="checkbox"/> Modify Existing Source: Permit No.: _____ Date Issued: _____ <input type="checkbox"/> Permit Revision <input type="checkbox"/> Required by Enforcement Action: Case No.: _____
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CERTIFICATION

IN ACCORDANCE WITH IDAPA 58.01.01.123 (RULES FOR THE CONTROL OF AIR POLLUTION IN IDAHO), I CERTIFY BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION IN THE DOCUMENT ARE TRUE, ACCURATE, AND COMPLETE.

19. Responsible Official's Name/Title	Kyle Juergens - Project Manager	
20. RESPONSIBLE OFFICIAL SIGNATURE		Date: 6/12/07
21. <input checked="" type="checkbox"/> Check here to indicate you would like to review a draft permit prior to final issuance.		



DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

Emissions Units - Industrial Engine Information **Form EU1**
PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION				
Company Name: Andgar Corporation		Facility Name: Big Sky West		Facility ID No: 1
Brief Project Description:		Dairy Anaerobic Digester that collects biogas & makes electricity		
EXEMPTION				
Please refer to IDAPA 58.01.01.222.01.c and d for a list of internal combustion engines that are exempt from the Permit to Construct requirements.				
ENGINE (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS				
1. Type of Unit: <input checked="" type="checkbox"/> New Unit <input type="checkbox"/> Unpermitted Existing Unit <input type="checkbox"/> Modification to a Unit with Permit #: _____ Date Issued: _____				
2. Use of Engine: <input type="checkbox"/> Normal Operation <input type="checkbox"/> Emergency <input type="checkbox"/> Back-up <input checked="" type="checkbox"/> Other: Renewalbe Energy				
3. Engine ID Number: 1		4. Rated Power: <input checked="" type="checkbox"/> 898 Brake Horsepower(bhp) <input checked="" type="checkbox"/> 600 Kilowatts(kW)		
5. Construction Date: 8/1/07		6. Manufacturer: Guascor		7. Model: SFGLD 480
8. Date of Modification (if applicable):		9. Serial Number (if available):		10. Control Device (if any):
FUEL DESCRIPTION AND SPECIFICATIONS				
11. Fuel Type	<input type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input type="checkbox"/> Gasoline Fuel (gal/hr)	<input type="checkbox"/> Natural Gas (cf/hr)	<input checked="" type="checkbox"/> Other Fuels (unit:cf/hr)
12. Full Load Consumption Rate				11,000
13. Actual Consumption Rate				9,870
14. Sulfur Content wt%		N/A	N/A	
OPERATING LIMITS & SCHEDULE				
15. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.):				
16. Operating Schedule (hours/day, months/year, etc.): 24 hours a day 365 days a year (estimated runtime is 92% for scheduled and unscheduled maintenance)				



DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

Emissions Units - Industrial Engine Information **Form EU1**
PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION				
Company Name: Andgar Corporation		Facility Name: Big Sky West		Facility ID No: 1
Brief Project Description:		Dairy Anaerobic Digester that collects biogas & makes electricity		
EXEMPTION				
Please refer to IDAPA 58.01.01.222.01.c and d for a list of internal combustion engines that are exempt from the Permit to Construct requirements.				
ENGINE (EMISSION UNIT) DESCRIPTION AND SPECIFICATIONS				
1. Type of Unit: <input checked="" type="checkbox"/> New Unit <input type="checkbox"/> Unpermitted Existing Unit <input type="checkbox"/> Modification to a Unit with Permit #: _____ Date Issued: _____				
2. Use of Engine: <input type="checkbox"/> Normal Operation <input type="checkbox"/> Emergency <input type="checkbox"/> Back-up <input checked="" type="checkbox"/> Other: Renewalbe Energy				
3. Engine ID Number: 2		4. Rated Power: <input checked="" type="checkbox"/> 1,057 Brake Horsepower(bhp) <input checked="" type="checkbox"/> 710 Kilowatts(kW)		
5. Construction Date: 8/1/07		6. Manufacturer: Guascor		7. Model: SFGLD 560
8. Date of Modification (if applicable):		9. Serial Number (if available):		10. Control Device (if any):
FUEL DESCRIPTION AND SPECIFICATIONS				
11. Fuel Type	<input type="checkbox"/> Diesel Fuel (#) (gal/hr)	<input type="checkbox"/> Gasoline Fuel (gal/hr)	<input type="checkbox"/> Natural Gas (cf/hr)	<input checked="" type="checkbox"/> Other Fuels (unit:cf/hr)
12. Full Load Consumption Rate				12,532
13. Actual Consumption Rate				11,245
14. Sulfur Content wt%		N/A	N/A	
OPERATING LIMITS & SCHEDULE				
15. Imposed Operating Limits (hours/year, or gallons fuel/year, etc.):				
16. Operating Schedule (hours/day, months/year, etc.): 24 hours a day 365 days a year (estimated runtime is 92% for scheduled and unscheduled maintenance)				



IDEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline - 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
4/5/2007

Air Permit Hotline - 1-877-5PERMIT

Please see instructions on page 2 before filling out the form.

Company Name:	Andgar Corporation
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Big Sky West

$$\frac{\langle y \rangle}{1}$$

Brief Project Description:	Dairy Anaerobic Digester which captures biogas to produce electricity through gensets.
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SUMMARY OF FACILITY WIDE EMISSION RATES FOR CRITERIA POLLUTANTS - POINT SOURCES

1.		2.		3.									
Emissions units	Stack ID	PM ₁₀		SO ₂		NO _x		CO		VOC		Lead	
		lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr	lb/hr	T/yr
Point Source(s)													
Guascor 480*	1.00	N/A	N/A	N/A	N/A	3.96	17.35	3.96	17.35	N/A	N/A	N/A	N/A
Guascor 560	2.00	N/A	N/A	N/A	N/A	3.96	17.35	3.96	17.35	N/A	N/A	N/A	N/A
*values are less than stated see attached sheets													



GROUP	GAS	PRODUCT INFORMATION	INDEX
IC		IC-G-B-48-035	
POWER RATING		DATE	
		26-01-06	
		DEP.	2

ENGINE:	SFGLD 480	SPEED:	1200
JACKET WATER TEMPERATURE(°F):	194	FUEL TYPE:	Natural Gas
INTERCOOLER WATER TEMP(°F):	131		

APPLICATION:	CONTINUOUS	COMPRESSION RATIO:	11.8:1
COOLING SYSTEM:	TWO CIRCUITS	REGULATION:	Electronic
EXHAUST MANIFOLD TYPE:	WATER COOLED	IGNITION TIMING:	6°
EMISSIONS:		MAX. BACK PRESSURE:	18 "H ₂ O
NOX	gr/bhph	<2	
CO	gr/bhph(8)	<2,0	
NMHC	gr/bhph	<1	
		AMBIENT CONDITIONS ISO 3046/1:	
		Atmospheric pressure ("Hg)=	30
		Ambient temperature (°F)=	77
		Relative humidity (%)=	30

POWER RATING (4)			NOMINAL	PARTIAL LOADS		
LOAD		%	100%	80%	60%	40%
MECHANICAL POWER	(3, 4, 5)	BHP	898	719	539	359
BMEP		psi	203	203	122	381
FUEL CONSUMPTION	(1)	Btu/bhp-hour	6733	6810	6964	7414
THERMAL EFFICIENCY		%	37,8	37,4	36,5	34,4
HEAT IN MAIN WATER CIRCUIT	(1)	BTU/min	27122	22846	17982	13676
HEAT IN SECONDARY WATER CIRCUIT	(1)	BTU/min	10066	7507	5630	4151
HEAT IN CHARGE COOLER	(1)	BTU/min	5573	3242	1592	398
HEAT IN OIL COOLER	(1)	BTU/min	4493	4265	4038	3753
HEAT IN EXHAUST GASES (77 °F)	(1)	BTU/min	24344	19806	15230	10721
HEAT IN EXHAUST GASES (248°F)	(1)	BTU/min	18060	14867	11539	8136
EXHAUST GAS TEMPERATURE	(1)	°F	739	763	783	786
HEAT TO RADIATION	(1)	BTU/min	1137	967	853	569
CARBURETION SETTINGS (2)						
O ₂ TO EXHAUST(DRY)(ONLY A REFERENCE)		%	8,1	7,8	7,5	7,1
MASS FLOWS						
INTAKE AIR FLOW	(1)	lb/h	7720	6060	4530	3170
EXHAUST GAS FLOW (WET)	(1)	lb/h	8020	6300	4710	3300

NOTES:
1. 100% LOAD TOLERANCES: FUEL CONSUMPTION ±5%, COOLING CIRCUIT AND EXHAUST GASES ± 15%, RADIATION ±25% EXHAUST TEMPERATURE ±20°C, MASS FLOWS ± 10%.
2. THE ENGINE PERFORMANCE DATA, TIMING ADVANCE AND CARBURETION SETTINGS ARE VALID FOR A GAS THAT FULFILLS THE REQUIREMENTS DEFINED IN IC-G-D-30-001, IC-G-D-30-002, IC-G-D-30-003 AND IC-G-D-30-004
3. NET POWER, MECHANICAL PUMPS NOT INCLUDED.
4. POWERS ARE VALID FOR AMBIENT TEMP. < 77°F AND AN ALTITUDE OF < 1640ft. OTHER CONDITIONS IN IC-G-B-00-001
5. OVERLOAD NOT ALLOWED
6. THE SPECIFICATIONS AND MATERIALS ARE SUBJECT TO CHANGE WITHOUT NOTIFICATION
7. A ENGINE WITH INLET OR OUTPUT RESTRICTION OVER PUBLISHED LIMITS, OR WITH INADEQUATE MAINTENANCE OR INSTALLATION CAN MODIFY POWER RATING DATA.

G-00-505	Cod.: C	Elab: kl13	Version: 3.0/27102005	1/1
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GROUP	GAS	PRODUCT INFORMATION	INDEX
IC		IC-G-B-56-035	1
POWER RATING		DATE	
		09-05-07	
		DEP.	2

ENGINE:	SFGLD 560	SPEED:	1200
JACKET WATER TEMPERATURE(°F):	194	FUEL TYPE:	Sewage Gas
INTERCOOLER WATER TEMP(°F):	131		

APPLICATION:	CONTINUOUS	COMPRESSION RATIO:	11.7:1
COOLING SYSTEM:	TWO STAGE IC	REGULATION:	Electronic
EXHAUST MANIFOLD TYPE:	WATER COOLED	IGNITION TIMING:	14°
EMISSIONS:		MAX. BACK PRESSURE:	18 "H ₂ O
NOX	gr/bhph	2	
CO	gr/bhph	<22	
NMHC	gr/bhph	<1	
		AMBIENT CONDITIONS ISO 3046/1:	
		Atmospheric pressure ("Hg)=	30
		Ambient temperature (°F)=	77
		Relative humidity (%)=	30

POWER RATING (4)			NOMINAL	PARTIAL LOADS		
LOAD		%	100%	80%	60%	40%
MECHANICAL POWER	(3, 4, 5)	BHP	1057	845	630	422
BMEP		psi	2045	1639	1218	812
FUEL CONSUMPTION	(1)	Btu/bhp-hour	6521	6683	6933	7439
THERMAL EFFICIENCY		%	39.0	38.1	36.7	34.2
HEAT IN MAIN WATER CIRCUIT	(1)	BTU/min	34747	27980	21553	16037
HEAT IN SECONDARY WATER CIRCUIT	(1)	BTU/min	7450	6654	5914	4663
HEAT IN CHARGE COOLER	(1)	BTU/min	2275	1763	1308	455
HEAT IN OIL COOLER	(1)	BTU/min	5175	4891	4606	4208
HEAT IN EXHAUST GASES (77 °F)	(1)	BTU/min	25932	21895	17118	12454
HEAT IN EXHAUST GASES (248°F)	(1)	BTU/min	18667	16012	12635	9362
EXHAUST GAS TEMPERATURE	(1)	°F	689	712	730	761
HEAT TO RADIATION	(1)	BTU/min	1934	1763	1479	1251
CARBURETION SETTINGS (2)						
O ₂ TO EXHAUST(DRY)(ONLY A REFERENCE)		%	8,6	8,4	8,0	7,8
MASS FLOWS						
INTAKE AIR FLOW	(1)	lb/h	8390	6830	5180	3600
EXHAUST GAS FLOW (WET)	(1)	lb/h	9240	7520	5710	3980

NOTES:
1. 100% LOAD TOLERANCES: FUEL CONSUMPTION ±5%, COOLING CIRCUIT AND EXHAUST GASES ± 15%, RADIATION ±25% EXHAUST TEMPERATURE ±20°C, MASS FLOWS ± 10%.
2. THE ENGINE PERFORMANCE DATA, TIMING ADVANCE AND CARBURETION SETTINGS ARE VALID FOR A GAS THAT FULFILLS THE REQUIREMENTS DEFINED IN IC-G-D-30-001, IC-G-D-30-002 AND IC-G-D-30-003
3. NET POWER, MECHANICAL PUMPS NOT INCLUDED.
4. POWERS ARE VALID FOR AMBIENT TEMP. < 77°F AND AN ALTITUDE OF < 1640ft. OTHER CONDITIONS IN IC-G-B-00-001
5. OVERLOAD NOT ALLOWED
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7. A ENGINE WITH INLET OR OUTPUT RESTRICTION OVER PUBLISHED LIMITS, OR WITH INADEQUATE MAINTENANCE OR INSTALLATION CAN MODIFY POWER RATING DATA.

Silage
Bunker

1140'x100'x20' - freestall

1140'x100'x20' - freestall

560'x60'x20' - freestall

500'x100'x 22' - parlor

560'x60'x20' - freestall

1140'x100'x20' - freestall

1140'x100'x20' - freestall

C.S.

Silage
Bunker

Google

Eye alt 5447 ft

P.B.

Digester

C.S. = 160'x40'x20' L-shape commodity
Shed

P.B. = 60' x 40' x 16' Pole Building

Digester = 210' x 146' x 16'*

* Digester top is 2' above ground

EP-1 = 12" stack terminates 20' above
ground from Guascor SFGLD 480 engine.

Exhaust Temperature = 739°F

EP-2 = 12" stack terminates 20' above
ground from Guascor SFGLD 560 engine

Exhaust Temperature = 689°F

EP-1 & EP-2 approximate distances to the
property line are as follows:

North = 2,640 feet

East = 2,640 feet

South = 1,320 feet

West = 2,640 feet

← → = 100 feet



Image © 2007 DigitalGlobe

© 2007 Navteq

Streaming 100%

Pointlat 49251103.76° N 114°47'43.83° W elev 3879 ft



STATE OF IDAHO
DEPARTMENT OF
ENVIRONMENTAL QUALITY

1410 NORTH HILTON, BOISE, ID 83706 • (208) 373-0502

C. L. "BUTCH" OTTER, GOVERNOR
TONI HARDESTY, DIRECTOR

May 29, 2007

Andgar Corporation
6920 Salashan Pkwy A-102
PO Box 2708
Ferndale, WA 98248

ATTN: Kyle Juergens

RE: Big Sky West Anaerobic Digester

Dear Kyle,

I reviewed the information you sent and conducted screening level modeling. I did not review the emissions estimates, so if those change or are found to be incorrect, the screening modeling will not be valid.

The only pollutant with emissions exceeding the DEQ modeling thresholds was NO_x. When I modeled the emissions with SCREEN3 results were well below applicable standards. Provided the emissions calculations are correct, the modeling I performed demonstrates that the proposed project (as described in the materials you sent me) adequately demonstrates that emissions will not cause or significantly contribute to a violation of any air quality standards.

Kevin Schilling
Stationary Source Air Modeling Coordinator
Idaho Department of Environmental Quality
208-373-0112



DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline - 1-877-5PEER

PERMIT TO CONSTRUCT APPLICATION

Revision 3
4/5/2007

Air Permit Hotline - 1-877-5PERMIT

Please see instructions on page 2 before filling out the form.

Company Name:	Andgar Corporation
---------------	--------------------

Big Sky West

1

Brief Project Description:	Dairy Anaerobic Digester which captures biogas to produce electricity through gensets.
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BUILDING AND STRUCTURE INFORMATION

[illegible]



DEQ AIR QUALITY PROGRAM
 1410 N. Hilton, Boise, ID 83706
 For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
 03/26/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION		
Company Name: Andgar Corporation	Facility Name: Big Sky West	Facility ID No: 1
Brief Project Description:		
APPLICABILITY DETERMINATION		
1. Will this project be subject to 1990 CAA Section 112(g)? (Case-by-Case MACT)	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES* * If YES, applicant must submit an application for a case-by-case MACT determination [IAC 567 22-1(3)"b" (8)]
2. Will this project be subject to a New Source Performance Standard? (40 CFR part 60)	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES* *If YES, please identify sub-part: _____
3. Will this project be subject to a MACT (<u>M</u> aximum <u>A</u> chievable <u>C</u> ontrol <u>T</u> echnology) regulation? (40 CFR part 63)	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES* *If YES, please identify sub-part: _____
THIS ONLY APPLIES IF THE PROJECT EMITS A HAZARDOUS AIR POLLUTANT		
4. Will this project be subject to a NESHAP (<u>N</u> ational <u>E</u> mission <u>S</u> tandards for <u>H</u> azardous <u>A</u> ir <u>P</u> ollutants) regulation? (40 CFR part 61)	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES* *If YES, please identify sub-part: _____
5. Will this project be subject to PSD (<u>P</u> revention of <u>S</u> ignificant <u>D</u> eterioration)? (40 CFR section 52.21)	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
6. Was netting done for this project to avoid PSD?	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES* *If YES, please attach netting calculations
IF YOU ARE UNSURE HOW TO ANSWER ANY OF THESE QUESTIONS, CALL THE AIR PERMIT HOTLINE AT 1-877-5PERMIT		